INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/018042

A. CLASSIF Int.C	SSIFICATION OF SUBJECT MATTER 1.C1 C12N15/31, 1/15, 1/19, 1/21, 5/00, C07K14/205, 16/12, C12Q1/68, C12P21/02, G01N33/50, 33/569						
According to International Patent Classification (IPC) or to both national classification and IPC							
	B. FIELDS SEARCHED						
Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ C12N15/31, 1/15, 1/19, 1/21, 5/00, C07K14/205, 16/12, C12Q1/68, C12P21/02, G01N33/50, 33/569							
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched							
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) GenBank/EMBL/DDBJ/GeneSeq, PIR/SwissProt/GeneSeq, BIOSIS/WPI(DIALOG), PubMed							
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT						
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.				
Y	Pickett C.L. et al., Prevaler distending toxin production i jejuni and relatedness of CamcdtB gene. Infect.Immun., 199 p.2070-8	in Campylobacter mpylobacter sp.	1-30				
Y	Bang D.D. et al., PCR detectivirulence and toxin genes of jejuni and Campylobacter colipanish pigs and cattle and cying toxin production of the impropersion of the improvement	Campylobacter isolates from ytolethal distend solates. J.Appl.	1-30				
Further documents are listed in the continuation of Box C.		See patent family annex.					
Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance		"T" later document published after the inte date and not in conflict with the applica the principle or theory underlying the in	tion but cited to understand				
filing date		"X" document of particular relevance; the considered novel or cannot be considered step when the document is taken alone	laimed invention cannot be cred to involve an inventive				
cited to e	which may throw doubts on priority claim(s) or which is stablish the publication date of another citation or other as on (as specified)	"Y" document of particular relevance; the considered to involve an inventive s					
"O" document "P" document	referring to an oral disclosure, use, exhibition or other means published prior to the international filing date but later than the ste claimed	combined with one or more other such being obvious to a person skilled in the "&" document member of the same patent f	documents, such combination art				
Date of the actual completion of the international search 23 February, 2005 (23.02.05)		Date of mailing of the international sear 15 March, 2005 (15.					
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer					
Facsimile No.		Telephone No.					

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Y	Bang D.D. et al., Prevalence of cytolethad distending toxin (cdt) genes and CDT production in Campylobacter spp. isolated from Danish broilers. J.Med.Microbiol., 2001, 50(12), p.1087-94		1-30
Y	Eyigor A. et al., Cytolethal distending t genes in Campylobacter jejuni and Campylo coli isolates: detection and analysis by J.Clin.Microbiol., 1999, 37(5), p.1646-50	bacter PCR.	1-30
. У	Eyigor A. et al., Detection of cytolethal distending toxin antivity and cdt genes i Campylobacter spp. isolated from chicken carcasses. Appl.Environ.Microbiol., 1999, 65(4), p.1501-5	.n	1-30
Y	Volokhov D. et al., Microarray-based identification of thermophilic Campylobac jejuni, C. coli, C. lari, and C. upsalien J.Clin.Microbiol., 2003 September, 41(9), p.4071-80	sis.	1-30
A	JP 10-508499 A (Institut Pastool), 25 August, 1998 (25.08.98), Full text & EP 711841 A & US 5998138 A & WO 96/15261 A2		1-30
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	属する分野の分類(国際特許分類(I P C)) N15/31, 1/15, 1/19, 1/21, 5/00, CO7K14/205,	, 16/12, C12Q1/68, C12P21/02, G01N33/	50, 33/569			
B 闘本を行った公野						
B. 調査を行った分野 調査を行った最小限資料(国際特許分類(IPC)) Int. Cl ⁷ Cl2N15/31, 1/15, 1/19, 1/21, 5/00, C07K14/205, 18/12, Cl2Q1/68, Cl2P21/02, G01N33/50, 33/569						
最小限資料以外の資料で調査を行った分野に含まれるもの						
国際調査で使用した電子データベース(データベースの名称、調査に使用した用語) GenBank/EMBL/DDBJ/GeneSeq, PIR/SwissProt/GeneSeq, BIOSIS/WPI(DIALOG), PubMed						
	ると認められる文献					
引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連する。	ときは、その関連する箇所の表示	関連する 請求の範囲の番号			
	Pickett C.L. et al., Prevalence of production in Campylobacter jejur Campylobacter sp. cdtB gene. Infect. Immun., 1996, 64(6), p. 2070-8	ni and relatedness of	1-30			
	Bang D. D. et al., PCR detection of genes of Campylobacter jejuni and isolates from Danish pigs and cat distending toxin production of th J. Appl. Microbiol., 2003 Jun, 94(6),	l Campylobacter coli ttle and cytolethal ne isolates.	1-30			
× C欄の続き	とにも文献が列挙されている。	□ パテントファミリーに関する別	紙を参照。			
* 引用文献のカテゴリー 「A」特に関連のある文献ではなく、一般的技術水準を示すもの 「E」国際出願日前の出願または特許であるが、国際出願日 以後に公表されたもの 「L」優先権主張に疑義を提起する文献又は他の文献の発行日若しくは他の特別な理由を確立するために引用する文献(理由を付す) 「O」口頭による開示、使用、展示等に言及する文献 「P」国際出願日前で、かつ優先権の主張の基礎となる出願		の日の後に公表された文献 「T」国際出願日又は優先日後に公表された文献であって出願と矛盾するものではなく、発明の原理又は理論の理解のために引用するもの「X」特に関連のある文献であって、当該文献のみで発明の新規性又は進歩性がないと考えられるもの「Y」特に関連のある文献であって、当該文献と他の1以上の文献との、当業者にとって自明である組合せによって進歩性がないと考えられるもの「&」同一パテントファミリー文献				
国際調査を完了	てした日 23.02.2005	国際調査報告の発送日 15.3.2	2005			
国際調査機関の名称及びあて先 日本国特許庁(ISA/JP) 郵便番号100-8915 東京都千代田区設が関三丁目4番3号		特許庁審査官(権限のある職員) 上條 肇 電話番号 03-3581-1101	4B 3131 内線 3448			

国際調査報告

関連すると認められる文献	
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引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号
Bang D.D. et al., Prevalence of cytolethal distending toxin (cdt) genes and CDT production in Campylobacter spp. isolated from Danish broilers. J. Med. Microbiol., 2001, 50(12), p. 1087-94	1-30
Eyigor A. et al., Cytolethal distending toxin genes in Campylobacter jejuni and Campylobacter coli isolates: detection and analysis by PCR. J. Clin. Microbiol., 1999, 37(5), p. 1646-50	1-30
Eyigor A. et al., Detection of cytolethal distending toxin activity and cdt genes in Campylobacter spp. isolated from chicken carcasses. Appl. Environ. Microbiol., 1999, 65(4), p. 1501-5	1-30
Volokhov D. et al., Microarray-based identification of thermophilic Campylobacter jejuni, C. coli, C. lari, and C. upsaliensis. J. Clin. Microbiol., 2003 Sep, 41(9), p. 4071-80	1-30
JP 10-508499 A(アンスティテュ パストゥール)1998.08.25 全文 & EP 711841 A & US 5998138 A & WO 96/15261 A2	1-30
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	Bang D. D. et al., Prevalence of cytolethal distending toxin (cdt) genes and CDT production in Campylobacter spp. isolated from Danish broilers. J. Med. Microbiol., 2001, 50(12), p. 1087-94 Eyigor A. et al., Cytolethal distending toxin genes in Campylobacter jejuni and Campylobacter coli isolates: detection and analysis by PCR. J. Clin. Microbiol., 1999, 37(5), p. 1646-50 Eyigor A. et al., Detection of cytolethal distending toxin activity and cdt genes in Campylobacter spp. isolated from chicken carcasses. Appl. Environ. Microbiol., 1999, 65(4), p. 1501-5 Volokhov D. et al., Microarray-based identification of thermophilic Campylobacter jejuni, C. coli, C. lari, and C. upsaliensis. J. Clin. Microbiol., 2003 Sep, 41(9), p. 4071-80 JP 10-508499 A(アンスティテュ パストゥール)1998.08.25